



Weight

What you will need:

- A coat hanger
- Some string
- 2 buckets or container
- Weighing scales - digital or analogue will both work well!
- Natural parts from your garden or household items

Make your own balancing scales

Hang your coat hanger somewhere that it can freely move the ends up and down. Tie string to each end and attach a container to the end of each piece of string. This will act as your make-shift balancing scales!

Go on a scavenger hunt around your house and garden to collect lots of different items. Before comparing the weight of different items, hold them in different hands and estimate which one is heavier/lighter. Place them in the containers to compare, explaining that the heaviest item will tip the end of coat hanger downwards.

Questions you could ask:

Which item is heavier/lighter? How do you know?

Are the larger objects always the heaviest?

If the balance scale is up/down what does that tell us?

When the scales are balanced what does that mean?

Can you balance the scales?





Weight

Task your child with ordering the items from heaviest to lightest. You could have them estimate first and then use the balancing scales to check if they are correct!

Weighing in grams and kilograms

Once you have ordered the items from heaviest to lightest. Take some time to discuss whether any of the items surprised you. Then choose some items to weigh using your kitchen scales. Using the free outdoor writing guide, record the weights of some of the items.

Questions you could ask:

How much heavier/lighter is _ than _?

Can you find a combination of items that equals 100g?

How many grams are in a kilogram?

Which is heavier, 1 kilogram or 20 grams?

